Mipro Products

Portable Receiver

MR-90 Professional Portable ENG Receiver

Introduction

The MIPRO MR-90 is a professional wireless, portable receiver specially designed for professional camcorder applications. Matched with any ACT transmitter from MIPRO, this unit will eliminate the need for microphone cables during recording. The MR-90 not only brings a closer combination of video and audio so that a more natural sound can be recorded, but also ensures safer and more agile operation since it eliminates the need for awkward and bulky microphone cables.

The MR-90 can also be installed on an active PA speaker via its accessories and matched with MIPRO's MA-909 Wireless Audio Mixer to form a wireless inter-linking PA system. Alternatively, the MR-90 can be matched with any of the ACT-series wireless transmitters, microphones or instrument cables to turn active speakers into a wireless system.

The MR-90 compact, miniature receiver utilizes the UHF band, PLL synthesized technology and dual-antenna true diversity design, ensuring clear and stable signal reception with no signal dropout even in the most unpredictable operating environments. It has a wide frequency range where 100 selectable frequencies are pre-programmed in each 24 MHz bandwidth with 16 of these specifically preset into one group for use with an MA-909 interlinking MT-90 transmitter. With the world's first ACT programming function of MIPRO's ACT-Series, the receiver and transmitter can set up a clear working frequency rapidly and automatically.

A weather-resistant metal case provides professional strength and durability. A standard LCD panel gives a clear and accurate display of all digital operations and setup.

With optional accessories, the MR-90 can be configured five different ways to fit all types of camcorders such as the SONY BETACAM-series or IKEGAMI and other compatible camcorders. Accessories like the MR-90SB built-in battery pack ensure the flexibility to work with other camcorders, mixers, active speakers and audio equipment.

Features - MR-90

- Waterproof, compact, and ultra-thin rugged aluminum chassis construction increases dependability.
- Various interface socket modules can be easily detached and installed to work with different camcorders, active speakers and other audio equipment.
- Detachable battery pack accessory needs only two AA-sized batteries to provide at least 10 continuous hours of operation, eliminating the need for external power.
- UHF-band, PLL synthesized, dual-antenna, and true diversity technology avoids interference, improves reception and sound quality.
- In each 24MHz bandwidth, 100 pre-programmed frequencies can be easily auto-scanned, set and locked on an open, non-interference frequency.
- 16 frequencies are specifically preset to work with the MA-909 and interlinking transmitters.
- World's first ACT feature automatically locks the transmitter channel rapidly and accurately.
- Clear LCD panel shows frequency, RF and AF signal strength, function, diversity, and battery strength.
- Control panel has setup buttons for SCAN, ACT, SQUELCH, and LOCK functions, allowing easy and error-free setup.
- Highly sophisticated circuitry design.
- Balanced, high-gain audio signal output.
- Electronic power switch eliminates any noise during power up and power down.
- Working voltage is 6~15VDC and the efficient power-saving design makes power consumption lower than 70mA.
- Precision SMA antenna connectors with removable soft antennas.

Specifications- MR-90

Frequency Range	UHF 620~934MHz
Bandwidth	24MHz
Oscillation Mode	PLL synthesized
Stability	±0.005% (0~50℃)
Channels	Pre-programmed 100 switchable channels
Receiving Mode	Dual Tuner True-Diversity Receiving
Receiving Sensitivity	S/N>76dB at 6μV input
Max. Deviation Range	±70KHz
De-emphasis	25ms
Frequency Response	80Hz~18KHz ±3dB (with low frequency filter characteristics)
Image Rejection	>78dB
Spurious Rejection	>80dB
Intermodulation	>60dB
T.H.D.	<0.15% (At maximum deviation Range)
Maximum Output Level	Balanced 2.2V rms open (THD=1%)
Squelch Level	Adjustable range between 6dBuV~45dBuV at 5dB steps
Maximum S/N Ratio	107dBA
Display Panel	LCD Panel
Power	6~18V DC
Current Consumption	70mA
Dimensions	83(W)×145(H)×35(D)mm / 3.3(W)x5.7(H)x1.4(D)"
Weight	220g / 7.8oz
Matching Transmitters	Any Mipro ACT Series

MR-90 Wireless Interlinking Receiver

Features

- Preset PLL-synthesized 16 channels in UHF band to match transmitters and a LCD panel to display operating information.
- Modularized design for easy operating, assembling, and maintenance

Specifications

Frequency Range	UHF 620~934MHz
Bandwidth	24MHz
Oscillation Mode	PLL synthesized
Stability	±0.005% (0~50℃)
Channels	Pre-programmed 100 switchable channels
Receiving Mode	Dual Tuner True-Diversity Receiving
Receiving Sensitivity	S/N>76dB at 6μV input
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Power	6~18V DC
Current Consumption	70mA
Dimensions	83(W)×145(H)×35(D)mm / 3.3(W)x5.7(H)x1.4(D)"
Weight	220g / 7.8oz
Matching Transmitters	Any Mipro ACT Series